Pile 3 Jan FE

PTO/SB/08A (10-01)
Approved for use through 10/31/2002. OMB 0651-0031=
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
work Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO Complete if Known **Application Number** 10/091,750 INFORMATION DISCLOSURE Filing Date March 5, 2002 STATEMENT BY APPLICANT First Named Inventor Louis B. Rosenberg Art Unit 2674 (use as many sheets as necessary) Examiner Name Kevin M. Nguyen Sheet of IMMR-014/02US Attorney Docket Number

			U.S. PATENT DOC	JMENTS	
Examiner	Cite No.	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
MN		6,717,573	.4/06/2004	Shahoian et al.	
		6,422,941	7/23/2002	Thorner et al.	
		6,160,489	12/12/2000	Perry et al.	
		6,111,577	8/29/2000	Zilles et al.	
		5,690,582	11/25/1997	Ulrich et al.	
		5,575,761	11/19/1996	Hajianpour	
		5,437,607	8/1/1995	Taylor	
		5,436,622	7/25/1995	Gutman et al.	
		5,283,970	2/8/1994	Aigner	
		5,186,695	2/16/1993	Mangseth et al.	
		5,175,459	12/29/1992	Danial et al.	
		5,165,897	11/24/1992	Johnson	
		5,022,384	6/11/1991	Freels	
		4,885,565	12/5/1989	Embach	
		4,484,191	11/20/1984	Vavra	
		4,464,117	8/7/1984	Foerst	
		4,333,070	6/1/1982	Barnes	
		4,262,549	4/21/1981	Schwellenbach	
		4,127,752	11/28/1978	Lowthorp	
		2,972,140	2/14/1961	Hirsch	
		20020024501	03/04/1999	Shalit	
\downarrow		2001/0010513	08/02/2001	Rosenberg et al.	

	Cite No.'	Foreign Patent Document				Pages, Columns, Lines,	
		Country Code ³	Number⁴	Kind Code ¹ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear
KMN		JP	H2-185278		7/19/1990	Taito Corporation	
		JP	H4-8381		1/13/1992	Epoch Co. and Key- Planning Co.	
		JP	H7-24147		1/27/1995	Sega Corporation	
V		JP	H5-192449		8/3/1993	Taito Corporation	RECEIV
							1 1 C C I A

AUG 3 1 2004

Technology Center 2600

Examiner & A	Lavin M. Nguym	Date Considered	7/11/05	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁴ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

PE CAR

PTO/SB/08A (10-01)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE ork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO	Complete if Known		
	Application Number	10/091,750	
INFORMATION DISCLOSURE	Filing Date	March 5, 2002	
STATEMENT BY APPLICANT	First Named Inventor	Louis B. Rosenberg	
	Art Unit	2674	
(use as many sheets as necessary)	Examiner Name	Kevin M. Nguyen	
Sheet 2 of 3	Attorney Docket Number	IMMR-014/02US	

		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
KMN		PATRICK, "Design, Construction, and Testing of a Fingertip Tactile Display for Interaction with Virtual and Remote Environments," Master of Science Thesis, MIT, Aug. 1990, archived Nov. 8, 1990.					
1		CALDER, "Design of A Force-Feedback Touch-Introducing Actuator For Teleoperator Robot Control," Bachelor of Science Thesis, MIT, May 1983, archived June 23, 1983.					
		WIKER, "Teletouch Display Development: Phase 1 Report," Technical Report 1230, Naval Ocean Systems Center, San Diego, July 1988.					
		BLISS, "Optical-to-Tactile Image Conversion for the Blind," IEEE Transactions on Man-Machine Systems, Vol. MMS-11, No. 1, March 1970.					
		JOHNSON, "Shape-Memory Alloy Tactile Feedback Actuator," Armstrong Aerospace Medical Research Laboratory, AAMRL-TR-90-039, August, 1990.					
		KONTARINIS et al., "Tactile Display of Vibratory Information in Teleoperation and Virtual Environments," PRESENCE, 4(4):387-402, Harvard Univ., 1995.					
		AUKSTAKALNIS et al., "Silicon Mirage: The Art and Science of Virtual Reality," ISBN 0-938151-82-7, pp. 129-180, 1992.					
		EBERHARDT et al., "Inducing Dynamic Haptic Perception by The Hand: System Description and Some Results," DSC-Vol. 55-1, Dynamic Systems and Control: Volume 1, ASME 1994.					
		GOBEL et al., "Tactile Feedback Applied to Computer Mice," International Journal of Human-Computer Interaction, Vol. 7, No. 1, pp. 1-24, 1995.					
		PIMENTEL et al., "Virtual Reality: through the new looking glass," 2 nd Edition; McGraw-Hill, ISBN 0-07-050167-X, pp. 41-202, 1994.					
		Cyberman Technical Specification, Logitech Cyberman SWIFT Supplement to Logitech Mouse Technical Reference and Programming Guide, 4/5/1994.					
		OUHYOUNG et al., "The Development of A Low-Cost Force Feedback Joystick and Its Use in the Virtual Reality Environment," Proceedings of the Third Pacific Conference on Computer Graphics and Applications, Pacific Graphics '95, Seoul, Korea, 21-24 August 1995.					
		KACZMAREK et al., "Tactile Displays." Virtual Environment Technologies, Chap. 9, pp. 349-414.					
		LAKE, "Cyberman from Logitech," at http://www.ibiblio.org/GameBytes/issue21/greviews/cyberman.html, 1994	- -				
$\overline{\downarrow}$		"Component Maintenance Manual With Illustrated Parts List, Coaxial Control Shaker Part No. C-25502," Safe Flight Instrument Corporation, Revised 28 January 2002 (3 pages). AUG 3	- IV				

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

+

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

(1 of 2)

PTO/Stb/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form				Complete if Known		
				Application Number	10/091,750	
INFO	DRMATION	DIS	CLOSURE	Filing Date	March 5, 2002	
STA	STATEMENT BY APPLICANT			First Named Inventor	Louis B. Rosenberg	
				Art Unit	2674	
	(use as many sheets as necessary)			Examiner Name	Kevin M. Nguyen	
Sheet	3	of	3	Attorney Docket Number	IMMR-014/02US	

Examiner Initials * Cite No.1		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		"Technical Manual Overhaul Instructions With Parts Breakdown, Coaxial Control Shaker Part No. C-25502," Safe Flight Instrument Corporation, Revised 15 July 1980 (23 pages).
1		SCANNELL, "Taking a Joystick Ride," Computer Currents, Boston Edition, Vol. 9, No. 11, November 1994
		YAMAKITA et al., "Tele-Virtual Reality of Dynamic Mechanical Model," Proceedings of the 1992 IEEE/RSJ International Conference on Intelligent Robots and Systems, Raleigh, NC, July 7-10, 1992
		NOLL, "Man-Machine Tactile," SID Journal, July/August 1972 Issue.
\downarrow		ROSENBERG, "Virtual Fixtures: Perceptual Overlays Enhance Operator Performance in Telepresence Tasks," Ph.D. Dissertation, Stanford University, June 1994.

RECEIVED

AUG 3 1 2004

Technology Center 2600

Examiner Signature	Kers	M. Nguyu	Date Considered	7/11/05

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

(2 of 2)

PTO/SB/08A (08-00)

7/5	Sie 180	onn 1449A/PT	0	Complete if Known		
				Application Number	10/091,750	
IN	IFORM	ATION D	ISCLOSURE	Filing Date	March 5, 2002	
S	FATEM	ENT BY	APPLICANT	First Named Inventor	Louis B. ROSENBERG	
				Group Art Unit	2674	
	(use as	many sheeis a	s necessary)	Examiner Name	Kevin M. Nguyen	
Sheet	l	of	5	Attorney Docket Number	IMMR-014/02US	·

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	U.S. Patent Document Number Kind Code ² (if known)		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	
KMN		5,877,750		Hanson	03/1999	
1		3,875,488		Crocker et al.	4/1975	
\neg		3,919,691		Noll	11/1975	
		4,436,188		Jones	3/1984	
		4,477,043		Repperger	10/1984	
		4,604,016		Joyce	8/1986	
		4,782,327	<u> </u>	Kley et al.	11/1988	
		4,794,384	····	Jackson	12/1988	
1		4,795,296		Jau	1/1989	
		4,800,721		Cemenska et al.	1/1989	
		4,839,838		LaBiche et al.	6/1989	
		4,861,269	_	Meenen, Jr.	8/1989	
		4,868,549		Affinito et al.	9/1989	
		4,896,554		Culver	1/1990	
		4,906,843		Jones et al.	3/1990	
	_	4,935,728		Kley	6/1990	
 		4,949,119		Moncrief et al.	8/1990	
		4,961,038		MacMinn	10/1990	
		4,983,901		Lehmer	1/1991	
		5,044,956		Behensky et al.	9/1991	
		5,065,145		Purcell	11/1991	
1		5,076,517		Ferranti et al.	12/1991	
		5,095,303		Clark et al.	3/1992	
	-	5,103,404		McIntosh	4/1992	
		5,107,080	1	Rosen	4/1992	
		5,107,262	1	Cadoz et al.	4/1992	
	•	5,116,180		Fung et al.	5/1992	
		5,139,261		Openiano	8/1992	
		5,146,566		Hollis, Jr. et al.	9/1992	
		5,184,319		Kramer	2/1993	
		5,185,561		Good et al.	2/1993	
1/		5,186,629		Rohen	2/1993	

RECEIVED

AUG 3 1 2004

Technology Center 2600

¹ Unique citation designation number.
² See attached Kinds of U.S. Patent Documents.



(2 of 2)

PTO/SB/08A (08-00)

Sul	bstitute 677	WIT RANGE //P	ro		Complete if Known		
				Application Number	10/091,750		
IN IN	NFORM A	ATION D	ISCLOSURE	Filing Date	March 5, 2002		
S	TATEM	ENT BY	APPLICANT	First Named Inventor	Louis B. ROSENBERG		
				Group Art Unit	2674		
	(use as n	iany sheets d	s necessary)	Examiner Name	Kevin M. Nguyen		
Sheet 2 of 5				Attorney Docket Number	IMMR-014/02US		

KMN	5,189,355	Larkins et al.	2/1993
	5,193,963	McAffee et al.	3/1993
	5,197,003	Moncrief et al.	3/1993
	5,203,563	Loper, III	4/1993
	5,220,260	Schuler	6/1993
	5,223,776	Radke et al.	6/1993
_1	5,235,868	Culver	8/1993
	5,264,768	Gregory et al.	11/1993
	5,275,565	Moncrief	1/1994
	5,286,203	Fuller et al.	2/1994
	5,296,871	Paley	3/1994
	5,313,230	Venolia et al.	5/1994
	5,354,162	Burdea et al.	10/1994
	5,355,148	Anderson	10/1994
	5,381,080	Schnell et al.	1/1995
	5,396,266	Brimhall	3/1995
	5,398,044	Hill	3/1995
	5,405,152	Katanics et al.	4/1995
	5,414,337	Schuler	5/1995
	5,451,924	Massimino et al.	9/1995
	5,457,479	Cheng	10/1995
	5,459,382	Jacobus et al.	10/1995
	5,471,571	Smith et al.	11/1995
	5,473,235	Lance et al.	12/1995
	5,473,344	Bacon et al.	12/1995
	5,491,477	Clark et al.	2/1996
	5,512,919	Araki	4/1996
	5,513,100	Parker et al.	4/1996
	5,530,455	Gillick et al.	6/1996
	5,565,887	McCambridge et al.	10/1996
	5,576,727	Rosenberg et al.	11/1996
	5,583,407	Yamaguchi	12/1996
	5,589,828	Annstrong	12/1996
	5,589,854	Tsai	12/1996
	5,596,347	Robertson et al.	1/1997
	5,625,576	Massie et al. Hannaford et al.	4/1997
	5,642,469		6/1997
	5,643,087	Marcus et al.	7/1997
	5,656,901	Kurita AUG 3 1 2004	8/1997
	5,666,138	Culver	9/1997
	5,666,473	Wallace Technology Center 2600	9/1997
	5,691,747	Amano	11/1997
	5,691,898	Rosenberg et al.	11/1997
-	5,694,013	Stewart et al.	12/1997
	5,709,219	Chen et al.	1/1998
	5,714,978	Yamanaka	2/1998
	5,721,566	Rosenberg et al.	2/1998
4	5,724,278	Chen et al.	3/1998



Su	bstitute for fo	FAT A TRACE	0	Complete if Known		
				Application Number	10/091,750	
IN	NFORM	ATION D	ISCLOSURE	Filing Date	March 5, 2002	
S'	TATEM	ENT BY	APPLICANT	First Named Inventor	Louis B. ROSENBERG	
				Group Art Unit	2674	
	(use as many sheets as necessary)			Examiner Name	Kevin M. Nguyen	
Sheet	3	of	5	Attorney Docket Number	IMMR-014/02US	

KMN	5,734,373	Rosenberg et al.	3/1998
	5,736,978	Hasser et al.	4/1998
	5,745,715	Pickover et al.	4/1998
	5,754,023	Rosten et al.	5/1998
	5,755,577	Gillio	5/1998
	5,757,358	Osga	5/1998
	5,760,764	Martinelli	6/1998
	5,767,839	Rosenberg	6/1998
	5,771,037	Jackson	6/1998
	5,781,172	Engel et al.	7/1998
	5,790,108	Salcudean et al	8/1998
	5,802,353	Avila et al.	9/1998
	5,805,140	Rosenberg et al.	9/1998
	5,805,165	Thorne, III et al.	9/1998
	5,808,601	Leah et al.	9/1998
	5,808,603	Chen	9/1998
	5,823,876	Unbehand	10/1998
	5,825,308	Rosenberg	10/1998
	5,831,408	Jacobus et al.	11/1998
	5,844,392	Peurach et al.	12/1998
	5,877,748	Redlich	3/1999
	5,880,714	Rosenberg et al.	3/1999
	5,889,670	Schuler et al.	3/1999
	5,912,661	Siddiqui	6/1999
	5,944,151	Jakobs et al.	8/1999
	5,956,484	Rosenberg et al.	9/1999
	5,959,613	Rosenberg et al.	9/1999
1 /	5,990,869	Kubica et al.	11/1999

				FOREIGN PA	ATENT DOCUMENTS		
Examiner Initials*	Cite No. ¹	Foreign Patent Document				Date of Publication	T
		Office ^l	Number ²	Kind Code ³ (if known)	Name of Patentee or Applicant of Cited Document	of Cited Document MM-DD-YYYY	Т*
XMV		EP.	0085518	A1	RECEIVE	1/1983	
		EP.	0626634	A2	THEOLIVE D	11/1994	
		EP	875819			4/1998	
		wo	95/20788		AUG 3 1 2004	8/1995	
		wo	95/32459			11/1995	
		WO.	97/21160		Toohnology Contar 2600	6/1997	
V		WO.	97/31333		Technology Center 2600	8/1997	

¹ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).
² For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.
³ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.
⁴ Applicant is to place a check mark here if English language Translation is attached.



Sub	ostitute for form 14	49A/PT		Complete if Known		
				Application Number	10/091,750	
IN	FORMATIC)N DI	SCLOSURE	Filing Date	March 5, 2002	
ST	FATEMENT	BY A	PPLICANT	First Named Inventor	Louis B. ROSENBERG	
				Group Art Unit	2674	
	(use as many s.	heets as	s necessary)	Examiner Name	Kevin M. Nguyen	
Sheet	4	of	5	Attorney Docket Number	IMMR-014/02US	

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or count where published.					
KMN		Ramstein et al., "The Pantograph: A Large Workspace Haptic Device for a Multimodal Human-Computer Interaction," Computer-Human Interaction, CHI 1994, pp. 1-3.				
		Buttolo et al., "Pen-based force Display for Precision Manipulation in Virtual Environments," IEEE 0-8186-7084-3, 1995, pp. 217-224.				
		Hannaford et al., "Force-Feedback Cursor Control," NASA Tech Briefs, vol. 13, No. 11, 1989, pp. 1-7.				
		Rosenberg et al., "The use of force feedback to enhance graphical user intefaces," Stereoscopic Displays & Virtual Reality Systems, 1996, pp. 243-248.				
		Munch et al., "Intelligent Control for Haptic Displays," Eurographics '96, vol. 15, No. 3, 1996, pp. 217-226.				
		Rosenberg et al., "Commercially Viable force feedback Controller for Individuals with Neuromotor Disabilities," Armstrong Laboratory, AL/CF-TR-1997-0016, 1996, pp., 1-33.				
		Brooks, Jr. et al., "Project GROPE, Haptic Displays for Scientific Visualization,", Computer Graphics, vol. 24, #4, 1990, pp. 177-184.				
		Batter et al., "Grope-1: A computer Display to the sense of Feel," Proc. IFIP Congress, 1971, pp. 759-763.	1			
		Gotow et al., "Perception of Mechanical Properties at the Man-Machine Interface," IEEE CH2503-1, 1987, pp. 688-690.				
1.		Howe et al., "Task Performance w/ a dextrous Teleoperated Hand System," Proc. of SPIE, vol. 1833, 1992, pp. 1-9.				
	0	Atkinson et al., "Computing with Feeling,", Comput. & Graphics, vol. 2, 1977, pp. 97-103.				
	Minsky et al., "Feeling & Seeing:Issues in Force Display," ACM089791-351-5, 1990, pp. 235-242, 270.					
		Ouh-Young, Ming, "Force Display in Molecular Docking," Dissertation for University of N. Carolina, 1990, pp. 1-42.				
		Iwata, Hiroo, "Pen-based Haptic Virtual Environment," IEEE 0-7803-1363-1, 1993, pp. 287-292.				
		Adelstein et al., "Design & Implementation of a Force Reflecting Manipulandum for Manual Control Research," 1992, NASA-Ames Research Center and MIT, pp. 1-26.				
		Millman et al., "Design of a 4 Degree of Freedom Force-Reflecting Manipulandum with a Specified Force/Torque Workspace," IEEE CH2969-4, 1991, pp. 1488-1493.				
		Hannaford et al., "Performance Evaluation of a 6-Axis Generalized Force-Reflecting Teleoperator," IEEE Transactions on Systems, Man, and Cybernetics, vol. 21, No. 3, 1991, pp. 621-623, 631-633.				
		Winey III, "Computer Simulated Visual & Tactile Feedback as an Aid to Manipulator & Vehicle Control," MIT, 1981, pp. 1-79.				
		Colgate et al., "Implementation of Stiff Virtual Walls in Force-Reflecting Interfaces," Northwestern University, IL, 1993., pp. 1-8.				
		Hirota et al., "Development of Surface Display," IEEE 0-7803-1363-1, 1993, pp. 256-262.				
		Rosenberg, "Perceptual Design of a Virtual Rigid Surface Contact," Armstrong Laboratory AL/CF-TR-1995-0029, 1993, pp. 1-45.				
		Iwata et al., "Artificial Reality w/ Force-Feedback: Development of Desktop Virtual Space with Compact Master Manipulator," Computer Graphics, vol. 24, No. 4, 1990, pp. 165-170.				
		Russo, "The Deisgn & Implementation of a 3-Degree-of-Freedom Force Ouput Joystick," Dept. of Mech. Engineering, 1990, pp. 1-42.				
		Rosenberg, L, "Virtual fixtures as tools to enhance operator performance in telepresence environments," SPIE Manipulator Technology, 1993, pp. 1-12.				
		Rosenberg et al., "Perceptual Decomposition of Virtual Haptic Surfaces," Proc. IEEE Symposium on Research Frontiers in Virtual Reality, 1993, pp. 1-8.				
		Ouh-Young et al., "Creating an Illusion of Feel: Control Issues in Force Display," Univ. of N. Carolina, 1989, pp. 1-14.				
		Yokokoji et al., "What you can see is what you can feel," IEEE 0-8186-7295-1, 1996, pp. 46-54.				

RECEIVED

AUG 3 1 2004

Technology Center 2600

PTO/SB/08A (08-00)

Sul	ostitute for fo	7 9A/P	Mentan	Complete if Known		
		- TH	AUCE	Application Number	10/091,750	
IN	FORMA	ATION D	ISCLOSURE	Filing Date	March 5, 2002	
S	[ATEM]	ENT BY	APPLICANT	First Named Inventor	Louis B. ROSENBERG	
				Group Art Unit	2674	
	(use as m	any sheets o	as necessary)	Examiner Name	Kevin M. Nguyen	
Sheet	5	of	5	Attorney Docket Number	IMMR-014/02US	

KMN	Rosenberg et al., "A Force Feedback Programming Primer," Immersion Corp., 1997, pp. 1-176.				
	Kilpatrick et al., "The Use of Kinesthetic Supplement in an Interactive Graphics System," University of North Carolina, 1976, pp. 1-172.				
	Kelley et al., MagicMouse: Tactile and Kinesthetic Feedback in the Human-Computer Interface using an Electromagnetically Actuated Input/Output Device, Oct. 19, 1993 University of British Columbia pp. 1-27.				
	Kelley et al., On the Development of a Force-Feedback Mouse and its Integration into a graphical user Interface, Nov. 1994, Engineering Congress and Exhibition, pp. 1-8.				
	Christophe Ramstein, Combining Haptic & Braille Technologies: Design Issues and Pilot Study, 96, Siggraph pp. 37-44.				
	Payette et al., Evaluation of a Force Feedback (Haptic) Computer Pointing Device in Zero Gravity, Oct. 17, 1996, ASME Dynamics Systems, vol. 58 pp. 547-553.				
	Wiker et al., Development of Tactile Mice for Blind Access to Computers, Importance of Stimulation Locus, Object Size, and Vibrotactile Display Resolution, 1991, Human Factors Society Mtg., pp. 708-712.				
	Ellis et al., Design & Evaluation of a High-Performance Prototype Planar Haptic Interface, Dec. 1993, Advances in Robotics, 55-64.				
	Schmult et al., Application Areas for a Force-Feedback Joystick, 1993, Advances in Robotics, vol. 49, pp. 47-54.				
	Adachi et al., Sensory Evaluation of Virtual Haptic Push-Buttons, 1994, Suzuki Motor Corp., pp. 1-7.				
	Akamatsu et al., Multimodal Mouse: A Mouse-Type Device with Tactile and Force Display, 1994, Presence vol. 3, pp. 73-80.				
V	Su et al., The Virtual Panel Architecture: A 3D Gesture Framework, University of Maryland, pp. 387-393.				

Examiner	12 100 10	Date	/ /
CAUTITIC		Date	1 7/11/7005
Signature	Keurn III. Januar	Considered	//// 2003
Jighature	(Constacted	· // ·/

^{*}EXAMINER: Initial if reference considered, whether of not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

192418 v1/RE 44GY01!.DOC

AUG 3 1 2004

Technology Center 2600

Unique citation designation number.
 Applicant is to place a check mark here if English language Translation attached.